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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/502,269

07/20/2004

Hsuan-Ming Shih

LPTF03

3966

7590

11/02/2006

J C Patents

Suite 250

4 Venture

Irvine, CA 92618

EXAMINER

PEYTON, TAMMARA R

ART UNIT

PAPER NUMBER

2182

DATE MAILED: 11/02/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/502,269

Applicant(s)

SHIH, HSUAN-MING

Examiner

Tammara R. Peyton

Art Unit

2182

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 20 July 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-10 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-10 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over WO 01/39102.

As per claims 1 and 7-10, WO 01/39102 teaches an USB removable memory with replaceable storage medium for optional upgrade and extension of the storage capacity, including an USB connector, a controller (1) and a flash memory (7), characterized by: said USB connector and said controller are integrated as a memory body (11); the flash memory as the physically-independent storage component is attached to the body, and is electrically connected to the controller. It would have been obvious to one of ordinary skill at the time the invention was made that the smart card (7) includes an external processor and data storage device. (Abstract, pgs. 1-8, Figs. 1-4)

As per claims 2-5, WO 01/39102 teaches said flash memory part is mounted on the body by means of guide channel and said flash memory part is mounted on the body by means of plug-in connection or elastic fastener connection.

As per claims 6 and 7, WO 01/39102 teaches the electrical connection between said flash memory part and said controller is elastic tip-touch connection or plug-in connection.

Claims 1-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Cheng et al., (US 7,039,759).

As per claims 1 and 7-10, Cheng teaches an USB removable memory with replaceable storage medium for optional upgrade and extension of the storage capacity, including an USB connector, a controller (10) and a flash memory (4), characterized by: said USB connector and said controller are integrated as a memory body (Fig.1); the flash memory as the physically-independent storage component is attached to the body, (connected to additional USB port 8, rear lid) and is electrically connected to the controller. It would have been obvious to one of ordinary skill at the time the invention was made that the Cheng teaches wherein another USB portable device similar to portable device (10) or other types of USB devices can be externally connected to portable device (10) and one of ordinary skill would readily recognize that another USB portable device would

includes an external processor and data storage device. (Abstract, col. 2, lines 33-col. 4, lines 1- 59)

As per claims 2-5, Cheng teaches said flash memory part is mounted on the body by means of guide channel and said flash memory part is mounted on the body by means of plug-in connection or elastic fastener connection.

As per claims 6 and 7, Cheng teaches the electrical connection between said flash memory part and said controller is elastic tip-touch connection or plug-in connection.

Claims 1-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Drabczuk et al., (US 7,011,247).

As per claims 1 and 7-10, Drabczuk teaches an USB removable memory with replaceable storage medium for optional upgrade and extension of the storage capacity, including an USB connector, a controller (5) and a flash memory (smart card), characterized by: said USB connector and said controller are integrated as a memory body (Fig.3); the flash memory as the physically-independent storage component is attached to the body, and is electrically connected to the controller. It would have been obvious to one of ordinary

skill at the time the invention was made that the smart card (3) includes an external processor (33) and data storage device. (Abstract, col. 1, lines 60 - col. 12, lines 1-50)

As per claims 2-5, Drabczuk teaches said flash memory part is mounted on the body by means of guide channel and said flash memory part is mounted on the body by means of plug-in connection or elastic fastener connection.

As per claims 6 and 7, Drabczuk teaches the electrical connection between said flash memory part and said controller is elastic tip-touch connection or plug-in connection.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tammara Peyton whose telephone number is (571) 272-4157. The examiner can normally be reached between 6:30 - 4:00 from Monday to Thursday, (I am off every first Friday), and 6:30-3:00 every second Friday. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Huynh can be reached on (571) 272-4083. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300. Any inquiry of a general nature of relating to the status of this application should be directed to the Group receptionist whose telephone number is (571) 272-2100.

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Art Unit: 2182

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Mailed responses to this action should be sent to:

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Faxes for Official/formal (After Final) communications or for informal or draft  
communications (please label "PROPOSED" or "DRAFT") sent to:

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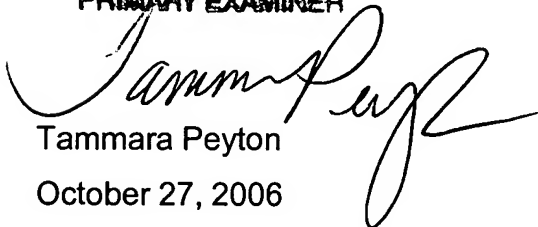
Hand-delivered responses should be brought to:

USTPO, Randolph Building, Customer Service Window

401 Dulany Street

Alexandria, VA 22314.

**TAMMARA PEYTON**  
**PRIMARY EXAMINER**



Tammara Peyton  
October 27, 2006